REPLACEMENT SHEET

USSN: 10/815,321

Title: Methods and Systems for Interactive...
Applicants: Bonabeau, et al.

Project: Supersonic Business Jet Iteration: 80 Generations Fit: 0.8475 Fit: 0.8501 Fit: 0.8595 Fit: 0.8529 1285 1449 1451 1448

1	- 4	- 4	$\boldsymbol{\alpha}$
	71	/	•

General					
Name	Value	Min	Max		
# of PAX	12	8	12		
Manuf. ROI	6	6	12		
# of Vehicles	500	200	500		
Design Range	3595	3500	4200		
Mach	1.6	1.6	1.8		
TO Thr Der.	0.8475	0.8	l		
Engine					
Name	Value	Min	Max		
Location	101.4	100	110		
OPR	25	22	29		
TIT	3378	3300	3400		
FPR	2.8013	2.6	3.2		
Throttle Ratio	1.2146	1.2	1.23		
T/W Ratio	0.41	0.41	0.45		

Wing						
Name	Value	Min	Max			
Location	55.79	45	57			
AR	2.1748	2	2.5			
TR	0.0714	0.05	0.3			
Area	2538	2300	3100			
Sweep	69.91	67	74			
F Str-Bod Int.	0.6024	0.4	0.8			
F Str-Wng Int.	0.3096	0.2	0.4			
A Str-Bod Int.	0.6	0.4	0.6			
A Str-Wng Int.	0.2186	0.2	0.5			
TCR - root	0.0416	0.025	0.045			
TCR - tip	0.0294	0.025	0.045			
Twist - root	1.657	-2	2			
Twist - tip	1.1736	0	5			

Fuselage						
Name	Value	Min	Max			
Length	143.82	135	160			
Cabin Loc.	36	36	41			
Cabin Length	39.752	39	50			
Diameter 1	2.3555	2.2	3			
Diameter 2	7.3234	7.2	7.6			
Diameter 3	7.8997	7.2	8			
Diameter 4	7.3745	7.2	7.6			
Diameter 5	5.2814	4.5	6.5			
Diameter 6	2.3	2.3	3.1			
Empennage						
Name	Value	Min	Max			
Location	88.556	87	97			

Fig.4A

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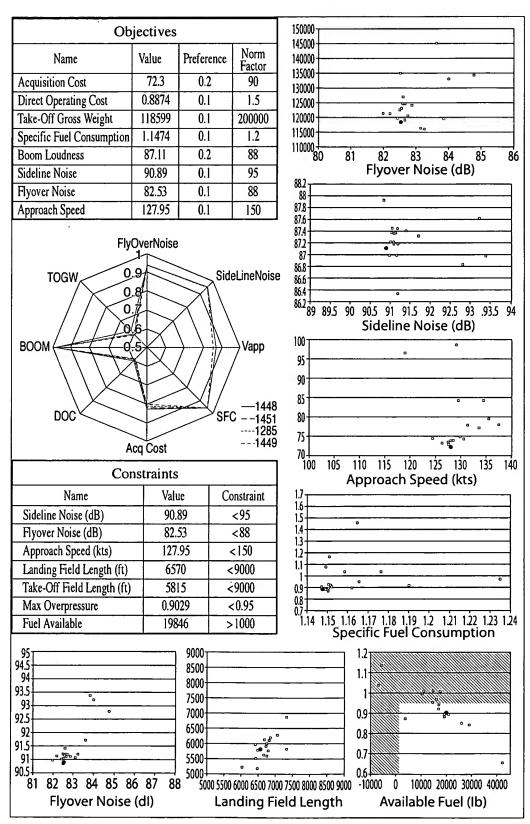


Fig. 4B

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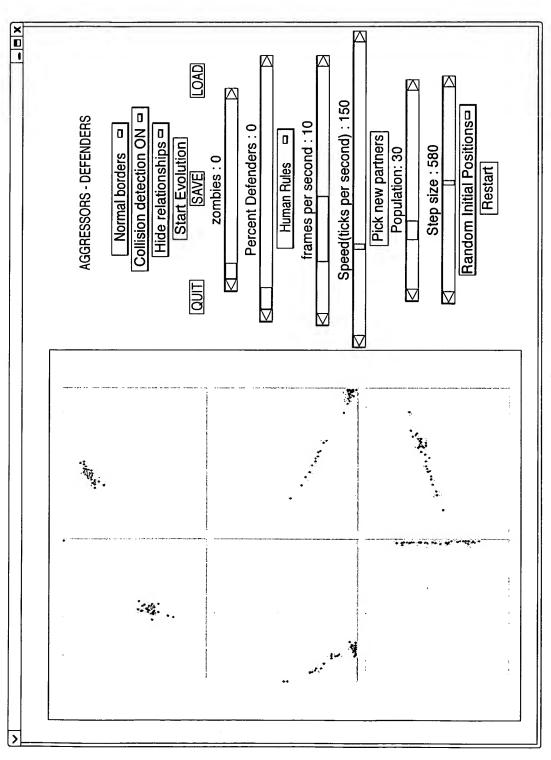


Fig. 5

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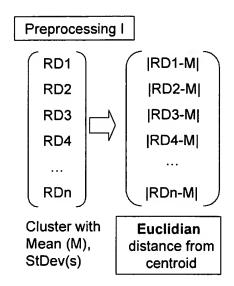


Fig. 8A

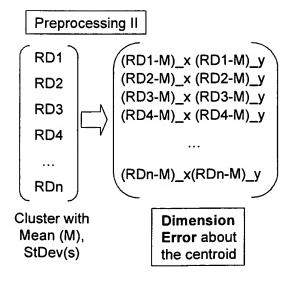


Fig. 8B

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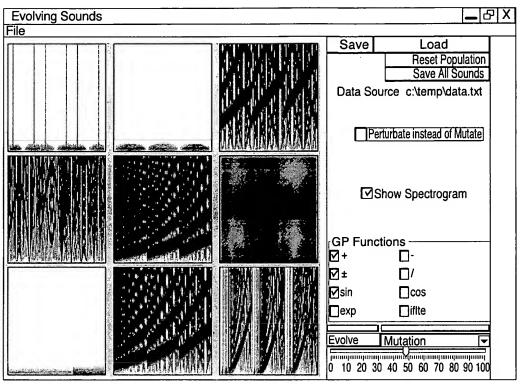


Fig. 10

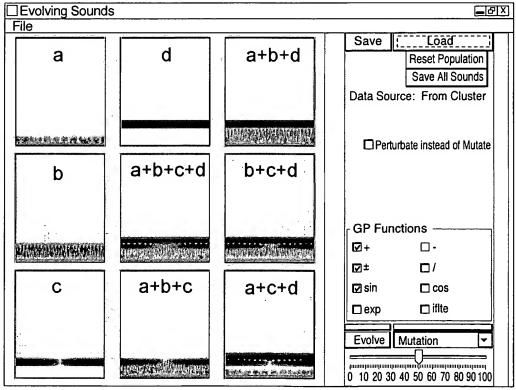


Fig. 11

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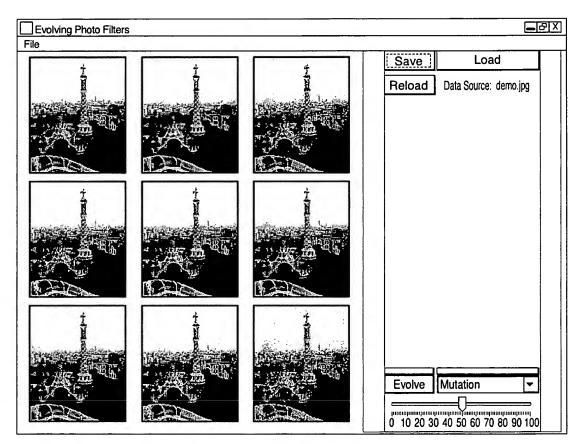


Fig. 14